

ELECTRIC MOTOR

Abstract

An electric motor is described in which a first magnet wire forms a first pole of the coil, is disposed across two terminals of a fuse, and terminates at a first end on a power switch. The portion of the first magnet wire between the terminals of the fuse is severed such that all current of the motor must travel through the conductor of the fuse. The second end of the first magnet wire terminates at dual tang terminal disposed on the brush housing.